

WHAT IS CLAIMED:

1. A point chisel for use with a power tool, comprising an elongate stem (1) having, at a power tool side thereof, a shank (2) for securing the chisel in the power tool and, at a workpiece side thereof, a useful region (3) having an outer diameter (H) thereof tapering toward a workpiece end thereof and having a cross-section (5) formed as a concave polygon by a plurality of axial grooves (4) extending radially toward a core diameter (K) that likewise tapers toward the workpiece side end of the useful region (3).

2. A point chisel according to Claim 1, wherein the entire useful region (3) convexly tapers toward the workpiece end thereof.

3. A point chisel according to Claim 1, wherein cross-sectional surfaces of the cross-section (5) are similar to different cross-sectional locations (I, II, III, IV, V).

4. A point chisel according to Claim 1, wherein the useful region (3) has a number of axial groove equal to $2n$.

5. A point chisel according to Claim 4, wherein the useful region (3) has four axial grooves (4).

6. A point chisel according to Claim 5, wherein the axial grooves (4) are offset relative to each other by an angle of 75° and 105° .
7. A point chisel according to Claim 4, wherein the axial grooves (4) are offset relative to each other by an angle of 90° .
8. A point chisel according to Claim 4, wherein the useful region (3) has eight axial grooves (4).
9. A point chisel according to Claim 8, wherein the eight axial grooves (4) are offset relative to each other by angle 30° and 55° .
10. A point chisel according to Claim 1, wherein the cross-sectional surface (A') is reduced over 40-60% of the useful region (3), from a power tool end to the workpiece end by from 80% to 70%.
11. A point chisel according to Claim 1, wherein the outer diameter (H) of the useful region (3), together with the axial grooves (4) is greater than a diameter (5) of a remaining portion of the stem (1).
12. A point chisel according to Claim 1 wherein a cross-sectional surface (A', A'') remains same in transitional region between the useful region (3) of the shank (2).